

WHAT IS THIS INVENTION CLAIMED

1. A connector, comprising:

an isolation frame, having a receiving space and an adaptor portion apart from said receiving space;

5 a terminal set comprising a first circuit board, a frame and a second circuit board, for inserting into said receiving space of said isolation frame, wherein said first circuit board is set on a surface of said frame, said second circuit board is set on another surface opposite to said first circuit board such that said first and second circuit boards are positioned parallel to each other with a gap there-between.

10 2. The connector according to claim 1, wherein said first circuit board has a plurality of electronic components thereon.

3. The connector according to claim 2, wherein said first circuit board comprises at least a capacitor.

15 4. The connector according to claim 2, wherein said first circuit board comprises at least a wave-filtering module.

5. The connector according to claim 1, wherein said terminal set comprises a plurality of positioning elements protruding on a surface thereof, and said first circuit board comprises a plurality of through holes formed on a surface thereof for fitting said positioning elements of said terminal set for positioning.

20 6. The connector according to claim 1, wherein said terminal set comprises a plurality of connecting terminals for fitting into a plurality of through holes formed on a surface of said first circuit board.

7. The connector according to claim 1, wherein said terminal set comprises a plurality of adaptor terminals set at a frontal side for inserting into the adaptor portion of said isolation frame.

8. The connector according to claim 1, wherein said frame comprises a fitting
5 portion vertically positioned at a backside thereof, and said socket set comprises a groove, and wherein an extended protrusion formed at a distal end of said terminal set is fitted into said groove of said fitting portion for positioning.

9. The connector according to claim 8, wherein said fitting portion of said frame
10 comprises a buckle in said groove, and said protrusion of terminal set comprises a corresponding protruded resilient buckle on a surface thereof, and wherein said resilient buckle buckles onto said buckle in said groove for positioning.

10. The connector according to claim 8, wherein said fitting portion of said frame comprises a plurality of connecting terminals.

11. The connector according to claim 1, wherein said frame comprises a plurality
15 of positioning elements protruding on a surface thereof, and said second circuit board comprises a plurality of through holes formed on a surface thereof, and wherein said positioning elements of said frame fit into said through holes of second circuit board for positioning.

12. The connector according to claim 1, wherein said second circuit board
20 comprises light-emitting elements welded at a frontal flange of two sides thereof, and said isolation frame comprises a fitting space for positioning said light-emitting element.

13. The connector according to claim 12, wherein said light-emitting element comprises a light-emitting diode.

14. The connector according to claim 1, wherein said connector is suitable for connecting with a **RJ 45** adaptor.

15. The connector according to claim 1, wherein said connector is suitable for connecting with a **RJ 11** adaptor.